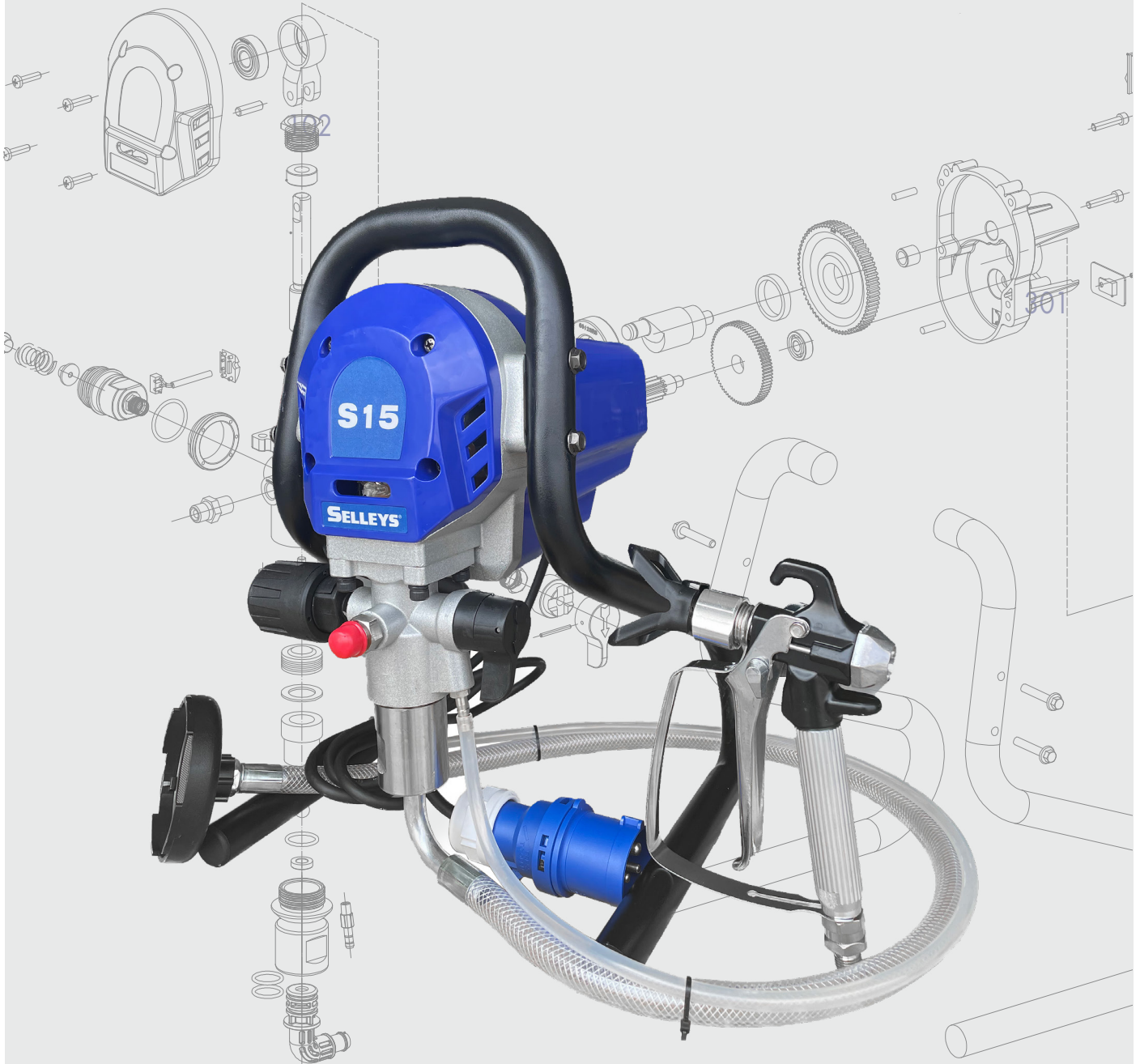


**SELLEYS®**

**IF IT'S SELLEYS IT WORKS™**



**SELLEYS S15 AIRLESS SPRAYPACK**

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**OPERATING MANUAL**

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# 1. SAFETY INFORMATION

Please read the following important information carefully.

The following symbols indicate specific types of safety hazards.



Indicates a potential hazard that may cause **serious injury to the operator or loss of life.**



Indicates a potential hazard that may cause **minor injury to the operator or to the equipment.**



Indicates **important information.**



## WARNING

This unit is capable of extremely high spraying pressures that can cause serious and/or minor injury by injection and extensive damage to property.



## IMPORTANT

All replacement parts and accessories should **ONLY** be purchased from SELLEYS or an authorised distributor of SELLEYS equipment. Servicing should **ONLY** be carried out by SELLEYS or an authorised distributor of SELLEYS equipment. If these conditions are not met, the operator assumes all liability for injury and property damage arising from the use of this unit.

## 1.1 GENERAL SAFETY PRECAUTIONS

### ✘ NEVER

- use the spray gun without the safety guard in place
- operate faulty units or use faulty accessories
- attempt to repair a damaged hose
- leave this equipment unattended
- move the unit when it is running
- spray outside on windy days

### ✔ ALWAYS

- ensure that this unit is properly earthed
- ensure that the power cord, air hose and spray hoses are optimally routed to minimise slip, trip and fall hazards
- immediately and thoroughly clean up all material and solvent spills to prevent slip hazards
- follow the material manufacturer's instructions for safe handling of coating materials
- unplug the cord from the outlet before cleaning, maintaining or repairing this unit
- keep the power cord plug in sight during use to prevent accidental shutdowns and startups
- wear ear protection to protect against possible hearing loss from the noise produced by this unit, which can exceed 85 dB(A)
- keep this unit out of reach of children, unqualified adults and animals
- comply with local codes regarding ventilation, fire prevention, and operation

## 1.2 SPECIFIC SAFETY HAZARDS AND PRECAUTIONS

### SAFETY HAZARD: INJECTION INJURY



#### WARNING

Serious risk of injection injury. This equipment produces a high-pressure stream that can pierce the skin and subcutaneous tissues, resulting in severe injury and even possible amputation.



#### IMPORTANT

The maximum operating range of the unit is 200 bar (2900 PSI) fluid pressure.

### ✘ NEVER

- put your fingers, hands or any other parts of your body into the spray jet
- point the spray gun at yourself or anyone else (including animals)
- allow the fluid stream to come into contact with any part of your body
- allow any leak in the fluid hose to come into contact with any part of your body
- put your hand in front of the gun

**NOTE:** Gloves do not provide full protection against injection injury.

### ✔ ALWAYS

- ensure that the gun trigger is locked, the fluid pump is shut off, and all pressure is released before servicing, cleaning the nozzle holder, changing tips, or leaving the unit unattended

**NOTE:** Turning off the engine will not release the pressure. The PRIME/SPRAY valve or pressure bleed valve must be turned to their appropriate positions to relieve system pressure.

- ensure that the nozzle holder remains in place during spraying
- remove the spray tip before flushing or cleaning the system
- carefully check the paint hose for leaks before each use, as even small leaks can cause injection injury
- ensure that all accessories, including but not limited to spray tips, guns, extensions and hose, are rated at or above the maximum operating pressure range of the sprayer



#### IMPORTANT MEDICAL INFORMATION

Injection injury is a traumatic injury that requires immediate medical attention. Any laceration of the skin, no matter how minor it seems, should not be treated as a simple cut. Fully inform the medical team about the coatings or solvents involved, as some coatings are toxic when injected directly into the bloodstream. For serious injuries, a plastic surgeon or reconstructive hand surgeon should be consulted.

## SAFETY PRECAUTIONS TO PREVENT EXPLOSIONS AND FIRE



### WARNING

This equipment produces a high-pressure stream that can pierce the skin and subcutaneous tissues, resulting in severe injury and even possible amputation.

### ✗ NEVER

- use plastic drop cloths or enclose the spray area with plastic sheets, as plastic can cause static sparks
- smoke in the spray area
- use any materials with a flashpoint lower than 21 °C (70 °F)

**NOTE:** Flashpoint is the temperature at which a fluid can produce sufficient vapours to ignite.

### ✓ ALWAYS

- ensure that the spray area is well-ventilated to prevent the build-up of flammable vapours
- avoid all ignition sources such as static electricity sparks, electrical appliances, flames, pilot lights, hot objects, and sparks from connecting and disconnecting power cords and/or working light switches
- flush the unit into a separate metal container, at the lowest possible pump pressure and with the spray tip removed
- hold the gun firmly against the side of the container to prevent static sparks
- have a fire extinguisher nearby
- place the sprayer at a minimum of 6.1 metres (20 feet) from the surface to be sprayed, extending the hose if necessary. Since flammable vapours are often heavier than air, the floor area must be well ventilated. The pump contains arcing parts that emit sparks, which can ignite vapours.
- ensure that the equipment and objects in and around the spray area are properly grounded to prevent static sparks
- ensure that you are using a conductive or earthed high pressure hose
- ensure that the gun is earthed through the hose connection
- ensure that the power cord is connected to a grounded circuit
- ensure that the unit is connected to an earthed object such as a water pipe, steel beam, or other electrically earthed surface, via the green earthing wire
- strictly follow the material and solvent manufacturer's warnings and instructions, and read the coating material's MSDS (Material Safety Data Sheet) and technical information before use

## SAFETY PRECAUTIONS TO PREVENT EXPLOSIONS DUE TO INCOMPATIBLE MATERIALS



### WARNING

Serious risk of explosions due to incompatible materials. Accidental explosions due to incompatible materials can cause serious injury and/or extensive damage to property.

### ✗ NEVER

- use materials that contain bleach or chlorine
- use halogenated hydrocarbon solvents such as methylene chloride and 1,1,1-trichloroethane

**NOTE:** These substances are not compatible with aluminium and may cause an explosion. If you are in any doubt over a material's compatibility with aluminium, check with your coating supplier.

## SAFETY PRECAUTIONS TO PREVENT HARM FROM TOXIC VAPOURS



### WARNING

Vapours from paints, solvents, insecticides, and other materials can be harmful in the event of inhalation or contact with any part of the body. Symptoms include severe nausea, fainting and poisoning.

### ✓ ALWAYS

- use a respirator or mask
- wear protective eyewear
- wear protective clothing

## 1.3 EARTHING INSTRUCTIONS

### ✗ NEVER

- operate this unit unless you are sure that it has been properly earthed
- modify the earthing plug

### ✓ ALWAYS

- ensure that the earthing plug is plugged into an outlet that has been properly installed and earthed in accordance with local codes
- seek the advice of a qualified electrician if you need a new outlet installed to fit the earthing plug, do not fully understand these earthing instructions, or are unsure as to whether this unit is properly earthed



### WARNING

Incorrect installation of the earthing plug can result in electric shock. If you need to repair or replace the cord or plug, do not connect the green earthing wire to either blade terminal.



### IMPORTANT

The wire with insulation, which has a green outer surface with or without yellow stripes, is the earthing wire. It must be connected to the earthing pin.

A list of the materials used in the construction of this unit is available upon request for the purpose of determining compatibility with coating materials.

## 2. COATINGS

Read the following important information carefully.

### 2.1 SUITABLE COATINGS

This unit is suitable for the application of:

- latex paints

Do not spray coatings other than those listed above without the prior approval of SELLEYS or the authorised distributor of this unit.

### 2.2 PREPARATION OF COATING MATERIALS

Always filter and stir the coating material before application. To prevent downtime, make sure that no air bubbles are introduced, especially when stirring the coating material with motor-driven agitators.

## 2.3 VISCOSITY

This unit is able to process highly viscous coating materials of up to around 20,000 mPa-s.

Highly viscous coating materials can be diluted according to the manufacturer's instructions.

## 2.4 COATINGS CONTAINING ABRASIVE MATERIALS

Coatings that contain sharp-edged aggregates and additional materials cause intense wear and tear on this unit's parts, including its valves, high-pressure hose, spray gun and spray tip.

Use of abrasive coatings may shorten the working life of this unit.

# 3. EQUIPMENT

Please read the following important information carefully.

## 3.1 TECHNICAL DATA

Voltage	220 V / 50 Hz
Motor output	0.75 kW
Max. operating pressure	200 bar
Flow rate	1.2 L/min
Max. nozzle size	0.015"
Max. temperature of the coating material	43 °C
Max. viscosity	20,000 mPa-s
Weight	9.4 kg
High pressure hose	DN 6 mm, 10 m
Dimensions (L x W x H)	280 x 280 x 380 mm
Max. sound pressure level	80 dB

## 3.2 MAIN COMPONENTS



NO.	NAME
1	ON/OFF Switch
2	Pressure control knob
3	Relief valve
4	Nozzle holder
5	Gun trigger lock
6	Gun filter (inside handle)
7	Suction hose

## 4. OPERATING INSTRUCTIONS

Please read the following important information carefully.

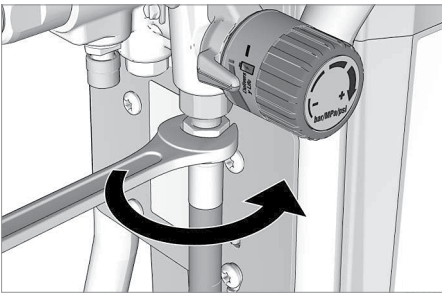
### 4.1 SETUP



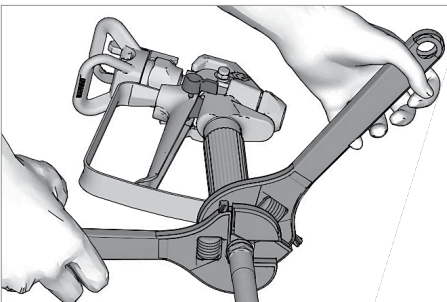
#### WARNING

Serious risk of explosions due to incompatible materials. Accidental explosions due to incompatible materials can cause serious injury and/or extensive damage to property.

1. Connect airless hose to fluid outlet. Use wrench to tighten securely.

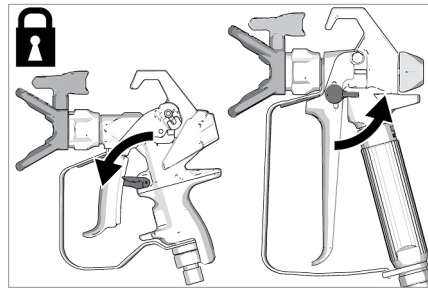


2. Connect other end of hose to spray gun

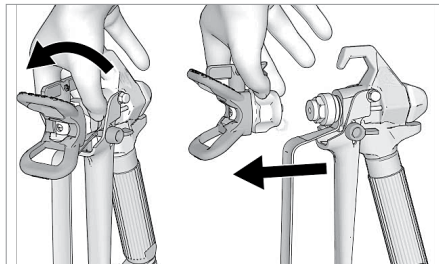


3. Use wrenches to tighten securely. If hose is already connected, make sure connections are tight.

4. Engage trigger lock

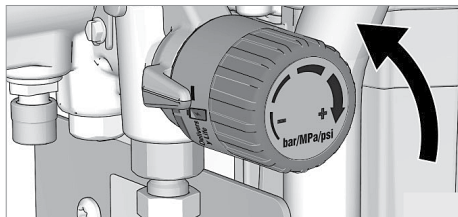


5. Remove nozzle holder. Do not lose the spray tip seal.



6. Turn pressure control knob (counter clockwise) to minimum pressure

7. When unpacking sprayer for the first time remove packaging materials from inlet strainer. After long term storage check inlet strainer for clogs and debris.





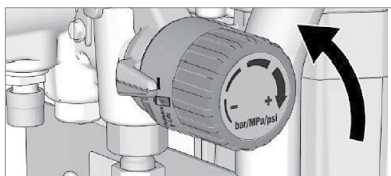
## 4.2 STARTUP



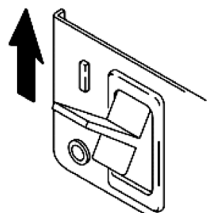
### WARNING

Serious risk of explosions due to incompatible materials. Accidental explosions due to incompatible materials can cause serious injury and/or extensive damage to property.

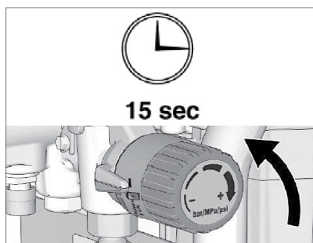
1. Turn pressure control knob to "minimum"



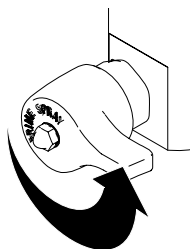
2. Turn power ON



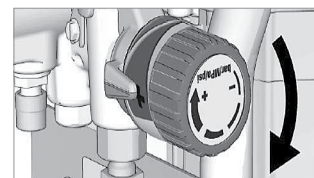
3. Increase pressure to start motor and allow fluid to circulate through return hose for 15 seconds. Decrease pressure control knob to minimum.



4. Turn relief valve to "SPRAY" position

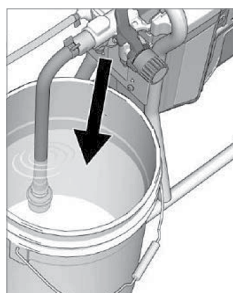


5. Trigger the spray gun, whilst increasing the pressure control knob, if necessary

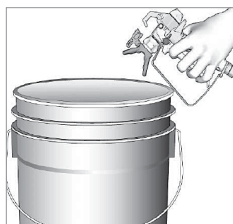


6. Inspect for leaks. If leaks occur, perform **Pressure Relief Procedure**. Tighten fittings. **Perform Startup** steps 1 - 5. If no leaks, proceed to step 6.

7. Place suction hose into the container of material



8. Trigger gun again into flushing pail until paint appears. Move gun to paint pail and trigger for 20 seconds. Set gun safety ON. Assemble spray tip and nozzle holder.



## 4.3 PRESSURE RELIEF PROCEDURE

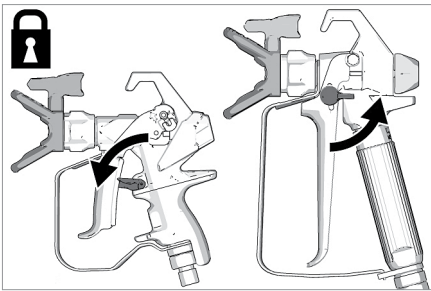
This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection or splashed fluid, follow the **Pressure Relief Procedure** whenever sprayer is stopped and before sprayer is cleaned or checked, and before equipment is serviced.



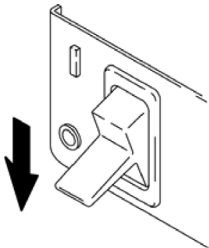
### WARNING

Serious risk of explosions due to incompatible materials. Accidental explosions due to incompatible materials can cause serious injury and/or extensive damage to property.

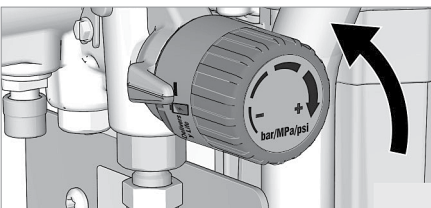
1. Engage the trigger lock. Always engage the trigger lock when sprayer is stopped to prevent the gun from being triggered accidentally.



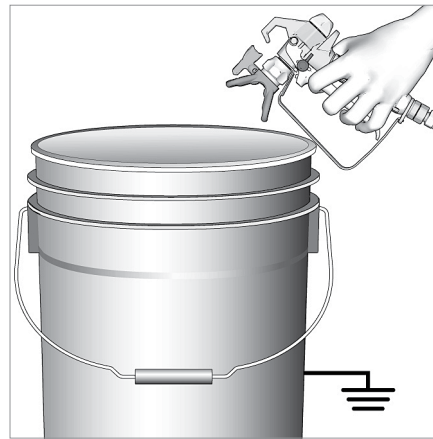
2. Turn ON/OFF switch to the OFF position. Power button is not illuminated when power is OFF.



3. Turn pressure control to lowest setting



4. Hold the gun firmly to a pail, point gun into pail. Disengage the trigger lock and trigger the gun to relieve pressure.



5. Engage the trigger lock

6. Put suction hose into a pail and place Prime/Spray valve in PRIME position (drain) to relieve pressure

7. If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved:
  - VERY SLOWLY loosen the spray tip guard retaining nut or the hose end coupling to relieve pressure gradually
  - Loosen the nut or coupling completely
  - Clear airless hose or spray tip obstruction

## 4.4 METHOD OF SPRAYING



### WARNING

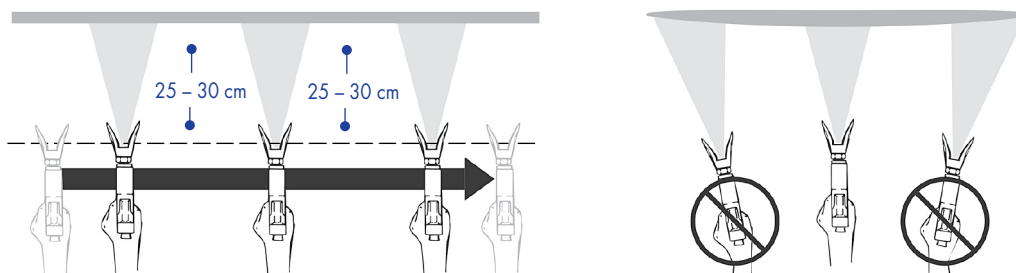
Never trigger the gun unless the spray tip is completely turned to either the spray or the unclog position. Always engage the gun trigger lock before removing, replacing or cleaning the spray tip.

Follow these steps carefully.

1. Ensure that the nozzle holder is in place
2. Trigger the gun AFTER starting the stroke

### 3. To ensure even application:

- keep your arm moving at a constant speed
- keep the spray gun perpendicular to the surface
- keep the spray gun at a constant distance of 25 to 30 cm from the surface
- overlap each stroke by about 30%



### 4. Release the gun BEFORE ending the stroke



#### IMPORTANT

If very sharp edges or streaks appear on the coated surface, increase the operating pressure or dilute the coating material.

## 4.5 HANDLING THE HIGH-PRESSURE HOSE

Avoid sharp bending or kinking of the high-pressure hose. The smallest bending radius amounts to about 20 cm.

Do not drive over the high-pressure hose, and avoid contact with sharp objects and edges.



#### WARNING

Defective high-pressure hoses can leak and cause serious injection injury. Replace defective high-pressure hoses immediately. Never attempt to repair a defective high-pressure hose.

## 4.6 IN CASE OF INTERRUPTED OPERATION

Follow these steps carefully.

1. Open the relief valve and set it to PRIME
2. Switch the unit OFF
3. Turn the pressure control knob counter-clockwise to minimum pressure
4. Pull the trigger of the spray gun in order to release the pressure from the high-pressure hose and spray gun
5. Secure the spray gun
6. Leave the suction hose immersed in the coating material, or swivel or immerse it in a suitable cleaning agent



#### IMPORTANT

If a fast-drying or two-component coating material is used, ensure that the unit is rinsed with a suitable cleaning agent within the processing time.

## 5. CLEANING AND MAINTENANCE

Please read the following important information carefully.

### 5.1 CLEANING AND SHUTTING DOWN

#### CLEANING THIS UNIT

1. Clean and remove the spray tip

**NOTE:** If using a non-standard spray tip, refer to the relevant Operating Manual for cleaning instructions.

2. Remove the suction hose from the coating material

3. Close the relief valve and set it to SPRAY

4. Switch the unit ON

5. Pull the trigger of the spray gun and pump the remaining coating material from the suction hose, high-pressure hose and spray gun into an open container



#### WARNING

The container must be earthed in case of coating materials that contain solvents. Do not pump or spray unused coating material into a container with a small opening (bunghole).

6. Immerse the suction hose with return hose in a container with a sufficient amount of a suitable cleaning agent

**NOTE:** Cleaning agent's ignition point must exceed 21 °C.

7. Turn the pressure control knob to minimum pressure for unit cleaning

8. Open the relief valve and set it to PRIME

9. Pump a suitable cleaning agent in the circuit for a few minutes

10. Pour any remaining cleaning agent into an open container until the unit is empty

11. Switch the unit OFF

### 5.2 CLEANING THE SUCTION FILTER

Follow these steps carefully to ensure optimal feed, constant spraying pressure and smooth operation.

1. Unscrew the suction filter (Figure 7.1) from the suction hose

2. Clean the suction filter with a hard brush and a sufficient amount of a suitable cleaning agent



#### IMPORTANT

The container must be earthed in case of coating materials that contain solvents.

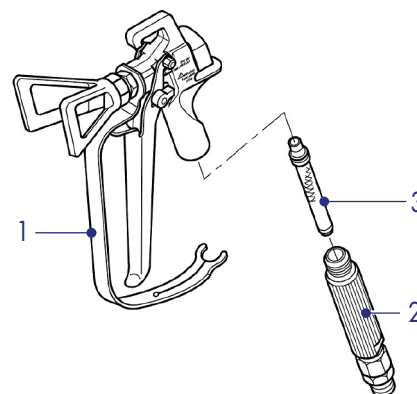
### 5.3 CLEANING THE AIRLESS SPRAY GUN

Follow these steps carefully.

1. Rinse the airless spray gun with a sufficient amount of a suitable cleaning agent

2. Thoroughly clean the spray tip with a sufficient amount of a suitable cleaning agent until all unused coating material has been removed

3. Thoroughly clean the outside of the airless spray gun



### 5.4 DISASSEMBLY OF THE INTAKE FILTER

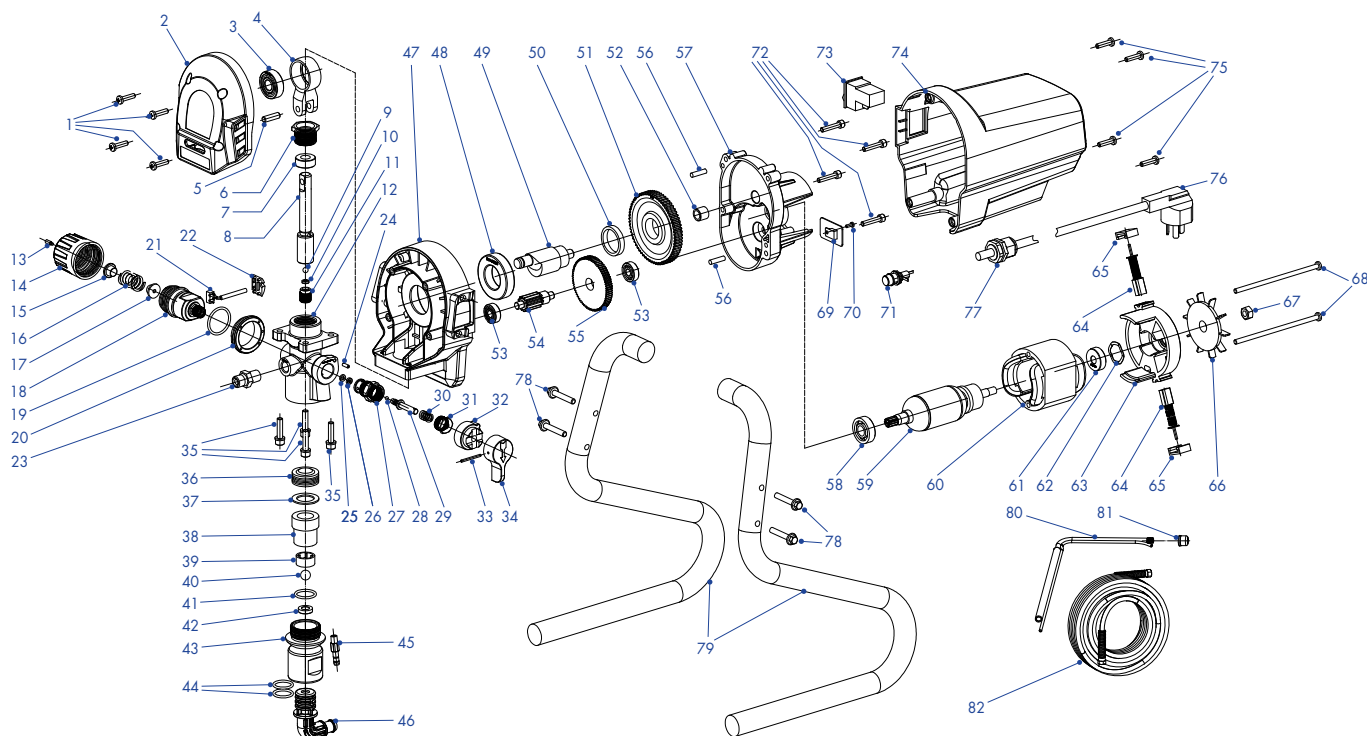
Follow these steps carefully.

1. Pull the protective guard forward with moderate force

2. Unscrew the grip from the gun housing and remove the intake filter

## 6. PARTS AND ASSEMBLY

Refer to the chart below for instructions on how to correct common malfunctions.



NO.	NAME	QUANTITY
1	Screw	4
2	Pump cover	1
3	Ball bearing	1
4	Rod	1
5	Pin	1
6	Retainer	1
7	Upper packing	1
8	Piston rod	1
9	Outlet valve ball $\phi 6.35$	1
10	Outlet valve seat $\phi 4.4 - \phi 8 \times 2$	1

NO.	NAME	QUANTITY
11	Outlet valve retainer	1
12	Upper pump assembly	1
13	Screw	1
14	Pressure control knob	1
15	Upper spring seat	1
16	Spring	1
17	Lower spring seat	1
18	Pressure control valve seat	1
19	O-ring	1
20	Pressure control knob cover	1

NO.	NAME	QUANTITY
21	Micro switch	1
22	Side cover	1
23	Fitting	1
24	Pin	1
25	Inlet valve seal	1
26	Return valve seat	1
27	Valve body	1
28	Return valve ball	1
29	Valve core	1
30	Spring	1

NO.	NAME	QUANTITY
31	Retainer	1
32	Trigger block	1
33	Groove pin	1
34	Knob	1
35	Screw	4
36	Lower packing	1
37	Inlet valve seal $\phi 20 - \phi 30.5 \times 1.5$	1
38	Bushing	1
39	Lower ball guide	1
40	Inlet Valve ball $\phi 11.5$	1

NO.	NAME	QUANTITY
41	Inlet Valve Seal $\phi 22 - \phi 26 \times 1$	1
42	Inlet Valve Seat $\phi 8.7 - \phi 16 \times 4$	1
43	Lower pump assembly	1
44	O-ring	2
45	Return fitting	1
46	Suction pipe assembly	1
47	Gear box front cover	1
48	Ball bearing $\phi 28 - \phi 52 - 12$	1
49	Crankshaft	1
50	Seat	1

NO.	NAME	QUANTITY
51	Gear	1
52	Needle bearing $\phi 10 - \phi 14 - 12$	1
53	Ball bearing $\phi 8 - \phi 22 - 7$	2
54	Counter-shaft gear	1
55	Small flat gear	1
56	Pin	2
57	Gear box back cover	1
58	Ball bearing $\phi 12 - \phi 28 - 8$	1
59	Rotor	1
60	Magnetic assembly	1

NO.	NAME	QUANTITY
61	Ball bearing $\phi 9 - 26 - 8$	1
62	Shim	1
63	Carbon brush holder 6	2
64	Carbon brush	2
65	Carbon brush cover	2
66	Fan	1
67	Nut	1
68	Screw	2
69	Electronic control assembly	1
70	Screw	1

NO.	NAME	QUANTITY
71	Fuse assembly	1
72	Screw	4
73	Switch	1
74	Electric motor cover	1
75	Screw	4
76	Power cord	1
77	Connector	1
78	Screw	4
79	Frame	1
80	Suction hose	1

NO.	NAME	QUANTITY
81	Suction filter	1
82	High pressure hose	1

**SELLEYS®**

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